132 slopes where storage granaries were located and where some families occupied caves and rock overhangs until 30 or 40 years ago. The humidity of the canyon makes the comparatively warmer temperatures there less bearable than those on the plateau. This, along with the scarcity of fuel, combined to make the plateau the favored winter abode.
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[221]

137 Botanically, the plateau and the canyon floor represent the extremes within the Sonoran Life Zone. On the plateau, clumps of juniper predominate alongwith stands of western yellow or ponderosa pine and pinyon pine. Nearer the canyons, trees give way to sagebrush, grasses, yucca, and a variety of wild food plants including mescal. Prickly pear, yucca, mescal, and some of the other food plants of the plateau,are also found on the Esplanade and at lower elevations. The change in vegetation is a gradual one from canyon rim to floor, with desert plants predominating at the lower elevations. Acacia and mesquite, Mormon tea, agave, prickly pear and other varieties of cacti, yucca, salt brush, and numerous grasses from which seeds were harvested, are found at elevations a few hundred feet above and below the
[372] canyon floor. Dense willow thickets border Havasu Creek, and this was the predominant fuel plant in the canyon until introduction of the cottonwood as a winter fuel source in early reservation days. Watercress in abundance and many flowering plants grow along the creek bottom and the irrigation ditches. Below the farm area, in places where the stream is impounded behind travertine terraces, cattail and other marsh plants abound, while only a few feet away the usual desert plants make a sharp contrast. Datura (jimson weed)
[276] is scattered everywhere in the canyon's sandy soil; the Havasupai have experimented with it as a narcotic but have rejected it.

133 Reservation farms occupy the canyon floor, which is 1/4 to 1/2 mi. in
361 width. Houses are located on individual farms throughout the area. Fields
312 lie on both sides of the creek, occupying about 140 acres of arable land. Fruit trees, still productive, and scars of abandoned fields mark an area below the village which, until about 30 years ago, was well populated. The canyon floor drops in elevation about 150 ft. from south to north in a distance of approximately 2 mi. in the cultivated area.

487 Cataract Canyon formerly was accessible from three directions by means of a half dozen horse trails and several foot trails which entered the canyon close to the village area. Although these old trails are sometimes used at present, the Havasupai more frequently travel the improved Topocoba and Yampai trails, which are used also for packing tourists and supplies into Supai.

295 Peach trees were introduced prior to 1870 (Whiting n. d., 59), and
177 the similarity of the Havasupai term for them to that of the Hopi demonstrates their Hopi origin (Spier 1946, 124). This refutes a popular notion that John D. Lee, a refugee Mormon, introduced peaches in comparatively recent times. Other orchard crops are pears, apricots, apples, both black and white figs,

plums, almonds, and pomegranates, there being only a few trees of the latter three kinds. 245 177

Whiting lists the following aboriginal cultivated plants: corn, pumpkin, squash, Hopi sunflower, three varieties of beans (tepary, kidney, and lima), cotton, and gourds. Introduced plants include peach, pear, plum, apricot, fig, apple and walnut trees, watermelons, cantaloupes, blackeyed peas, devil's claw and alfalfa. Plants introduced, but rejected or used very little, are onions, chilies, sweet potatoes, tomatoes, peas, wheat, and cherry and almond trees (Whiting n. d., 60). 241 177

Spier (1928, 108) reported antelope to be the most plentiful large game animal, with mountain sheep and deer also in good supply. Mountain lions were killed occasionally, but the meat was generally abhorred. Smaller game included cottontails, jackrabbits, squirrels, and various kinds of birds. McGregor (1951, 17) reports predators now present on the plateau are lions bobcats, coyotes, badgers, and probably foxes. The Havasupai are now restricted to hunting deer and antelope only in the legal season. Rabbits are an occasional item in the daily fare, but most meat is obtained by purchase from a store or by butchering Havasupai-owned beef. The Havasupai did not eat fish, and, although Havasu Creek has been stocked several times, few Havasupai will eat fish even today. Apparently, the next storm following introduction of fish kills them or washes them down to the Colorado River. 136 262 [224]

The Reservation and Its Administration

The original Havasupai Reservation, established in 1880, consisted of an area 5 mi. wide by 12 mi. long lying on the floor of Cataract Canyon and the adjacent Esplanade. In 1882, the reservation area was reduced to 518.6 acres located entirely within the confines of Cataract Canyon. In 1940, four sections of land on the plateau, outside the National Forest boundaries, were added to the reservation to give the Havasupai water rights on various springs used by their stock. Horses and cattle owned by the Havasupai graze in the Grand Canyon National Park, which completely encompasses the reservation proper, and also on National Forest lands adjoining Grand Canyon National Park to the west and south (Ladd, personal communication, 1952). 657 131 [423] [231]

Government Services

The Office of Indian Affairs administrative headquarters, located almost 100 mi. away at Valentine, Arizona, is the Truxton Canyon sub-agency, which also serves the Walapai, Yavapai, and Camp Verde Apache. A resident agent at Supai acts in an advisory capacity to the tribe and is in charge of government-owned property on the reservation. A sub-agency was first established in Cataract Canyon about 1895 (Whiting n. d., 21). 657

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An old-style conical house with a cooking shelter in front.

342 they are cooler in the summer and can be kept warmer during the cold weather. Many of these old-style houses are conical in shape but most of them are longer than they are wide and have sloping roofs of dirt which nearly reach the ground on either side. Very few of them are made of stone.

341 In passing through this wide portion the canyon one may see a great many small fields. Most of these are planted with corn but close examination shows that growing in the same fields between the corn plants are beans, squashes, pumpkins, sunflowers, watermelons, tomatoes and potatoes. Many of these plants were introduced after white contact, of course, [177] and among them are the fruit trees which stand in orchards in some parts [245] of the canyon and grow along the trails everywhere. Peaches, apricots, figs, pears, and apples are now part of the standard diet in Supai and even pecans, plums and pomegranates are grown.

/100 cont./ LIKE THE PIGS, THEIR
177 peaches and apricots were derived from the whites, but so long
245 ago that they are now regarded as native.

291 The aboriginal dress of the Havasupai was simple and rather distinctive. The one arbitrary garment for the men was, of course, the breech-cloth, all additions to which were an
[554] evidence of wealth and position. For the Havasupai shirt the foundation was a large deerskin with a hole cut in the middle, like a poncho. This was loosely fastened together at the sides and held close to the body with a belt. Stitched to it were loose, baggy sleeves, open under the arms as far as the elbows. Shoulder, sleeve, and side seams were freely decorated with deerskin fringe. The leggings, close fitting and fringed at the sides, reached to the hips and were met below with high-topped moccasins. A full suit required five good-sized deerskins. The
[302] men tied their long hair in a knot at the back of the head and cut the fore part in a low bang over the eyes. The principal garment of the women, which reached a little below the knees, consisted of two deerskins sewn together at the top and sides and with openings left for head and arms. It was liberally ornamented with fringe, worn sleeveless, and belted at the waist. Their boot-legged moccasins reached to the knees. The hair, cut in a
[302] bang over the eyes, hung loose and unkempt.

285 The arts of the Havasupai are seen at their best in the
[439] basketry. Many of their tray-shaped baskets are used for barter with neighboring tribes, who know them as "Coconino." The
[415] same form, coated with earth, is used as a cooking utensil,
[251] water being boiled in them by the use of heated stones; the water bottle also is of basket-work, coated with piñon gum. A
482 coarsely woven, cone-shaped burden /101/ basket is carried on the back, supported by a strap passing across the forehead.
321 Spoons and small utensils were formerly made from mountain-
415 sheep horn.

622 Chieftainship is hereditary, the voice of the tribe determining which of the male relatives of the last incumbent is best fitted to rule. The present chief is Wimâi, who succeeded Kôhat, familiarly known as "Navaho." Kôhat was considered by all who knew him to be a man of unusual strength of character, broad